



SMARTWIRE DETECTORS



V20005



See table below for
CPD numbers



V20008



V20007



V20006

The SMARTWIRE optical smoke detectors use a pulsing IR LED & photodiode to detect IR scatter caused by smoke entering the chamber.

The detector is particularly suitable for detecting optically dense smoke, involving materials such as soft furnishings, PVC, plastic, foam and all similar materials which produce small visible particles (0.5 to 10µm).

The SMARTWIRE Rate of Rise heat detectors (V20006) use a thermistor arrangement to sense a quick rise in temperature and also a final threshold temperature of 57°C. The Fyreye fixed heat detector (V20007) has a single thermistor arrangement that gives an alarm at a temperature of 90°C.

Features

- ✓ Designed to meet EN54 requirement
- ✓ Lockable to base to stop unauthorised removal
- ✓ Remote LED output
- ✓ Compatible with all SMARTWIRE bases

Model				
Part No.	V20005	V20008	V20007	V20006
Detector Class	Optical Smoke	Combined Smoke & Heat	Fixed Heat Only	Rate of Rise & Fixed Heat Detector
Design Standard	EN54 part 7	EN54 parts 5 & 7	EN54 part 5	EN54 part 5
Approval	DIFT			
CPD Number	0845-CPD-232.1700	0845-CPD-232.1703	0845-CPD-232.1701	0845-CPD-232.1702
Operating Voltage	9-33V DC			
Quiescent Current	40µA			
Alarm Current @ 24V DC	34mA			
Operating Temperature	-10°C to +50°C			
Minimum Continuous Temperature	0°C			
Maximum Humidity	95% RH non-condensing			
Alarm Condition	2.4% obscuration per metre		Fixed heat trigger @90°C	Rate of rise or fixed heat trigger @ 57°C
Coverage	100m ²		50m ²	
IP Rating	IP43			
Start-up Time	10 Seconds			
Size (with Base)	100 x 48 mm	101 x 64 mm	100 x 48 mm	100 x 48 mm
Weight (with Base)	75g (133g)			

Bases

There are 4 types of mounting base available; standard or deep and with or without diode.

Model				
Part No.				
Type	Common Base	Common Base	Diode Base	Diode Base
Size	100 x 16mm	100 x 32mm	100 x 16mm	100 x 32mm
Weight	53g	64g	53.2g	64.2g